

Date: Thu, 11 Aug 94 04:30:17 PDT
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>
Errors-To: Ham-Ant-Errors@UCSD.Edu
Reply-To: Ham-Ant@UCSD.Edu
Precedence: Bulk
Subject: Ham-Ant Digest V94 #256
To: Ham-Ant

Ham-Ant Digest Thu, 11 Aug 94 Volume 94 : Issue 256

Today's Topics:

 Ham-Ant Digest V94 #255 -Reply
 SWR calculation needed....
 Wanted: 1-3 Foot parabolic antennas
 Which telescopic antenna for 2m HT?

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>
Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Ant Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 11 Aug 94 07:38:58 GMT
From: news-mail-gateway@ucsd.edu
Subject: Ham-Ant Digest V94 #255 -Reply
To: ham-ant@ucsd.edu

I'm on vacation until August 22. I'll read your message and reply
when I return. If you need assistance with Emission Monitoring or
Stack Testing, please contact Jerry Keefe or Jack Harvanek. Thanks

Alan Hicks

Date: 10 Aug 1994 22:44:36 +0200
From: ihnp4.ucsd.edu!munari.oz.au!quagga.ru.ac.za!ee.und.ac.za!ticsa.com!
cstatd.cstat.co.za!not-for-mail@network.ucsd.edu
Subject: SWR calculation needed....
To: ham-ant@ucsd.edu

Date: Sun, 7 Aug 1994 06:05:02 GMT
From: agate!library.ucla.edu!csulb.edu!csus.edu!netcom.com!wa2ise@ames.arp
To: ham-ant@ucsd.edu

References <Cu0s14.AsE@icon.rose.hp.com>, <Cu2zp8.5yr@synoptics.com>,
<31uiit\$ilm@agate.berkeley.edu>du
Subject : Re: JPole fundamentals

In article <31uiit\$ilm@agate.berkeley.edu> kennish@kabuki.EECS.Berkeley.EDU (Ken A. Nishimura) writes:

>In article <Cu2zp8.5yr@synoptics.com>,

>David Bashaw <dbashaw@synoptics.com> wrote:

>>Actually, I thought a J looked electrically like:

>

>>

>> |_____

>>One continuous electrical (D.C.) short :>)

>

>>And a Zep like this:

>

>

>> 1/4 wave

>> _____

>> _____

>>

>>

>>J's and Zeps, two different kinds of antennas? Am I wrong?

>

>They are really the same thing. The ends of a 1/2 wave end-fed antenna
>are at a high impedance. Going back a 1/4 wave on the transmission line
>makes it look like a short. So putting a short there really doesn't
>make a difference. Or perhaps more clearly, a shorted 1/4 wave
>stub looks like an open at the other (unshorted) end, so it won't affect the
>operation of the 1/2 wave section. Where you attach the coax determines
>your feedpoint impedance.

>

Found an ancient book on antennas "TV and other Recieving Antennas" 1950,
and it has several simple diagrams of antennas, on a "'J" antenna or Zepp".
Drawing shows a long vertical rod, and a shorter element next to it an
inch away parallel. Diagram shows the shorter element is just the
coax center conductor extended 1/4 wavelength up. and the diagram
unclearly shows the coax cable "ty-rap-ed or taped to the long rod,
not clear if the coax shield is electrically connected or not. No
shorted end or tap in evidence. Book says 50 ohm impedance.

```
|  \
|  \
|  active antenna
|  /
||
||
|# top of coax, shorter element connected to center conductor,
|# shield connection not clear if it is or not connected to long rod
|#
|#
coax
```

End of Ham-Ant Digest V94 #256
